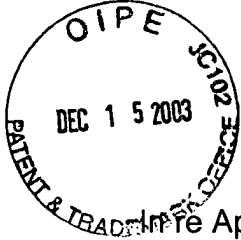


I hereby certify that this correspondence and any documents referred to as enclosed or attached is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Attn: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on December 11, 2003.

Gretchen King



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

More Application of:

Bussear et al.

Serial No.: 10/047,728

Filed: 01/15/02

For: **Apparatus and Methods for
Using a Surface-Based
Oscillator as a Downhole
Seismic Source**

Examiner: **McCloud, R.**

Art Unit: **2837**

Attorney Docket No.: **284-15718-US**

MS: AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

RESPONSE TO FINAL OFFICE ACTION
MAILED OCTOBER 24, 2003

Sir:

In response to the final office action mailed October 24, 2003, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims, which begins on page 2 of this paper.

Remarks/Arguments begin on page 10 of this paper.

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